

Title (en)  
INDICATION-DEPENDENT DISPLAY OF A MEDICAL IMAGE

Title (de)  
INDIKATIONSABHÄNGIGE ANZEIGE EINES MEDIZINISCHEN BILDES

Title (fr)  
AFFICHAGE DÉPENDANT D'UNE INDICATION D'UNE IMAGE MÉDICALE

Publication  
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Application  
**EP 14724731 A 20140515**

Priority  
EP 2014059969 W 20140515

Abstract (en)  
[origin: WO2015172833A1] The present invention relates to a medical data processing method of determining an image of an anatomical structure of a patient's body, the method comprising the following steps which are constituted to be executed by a computer: a) acquiring (S1) atlas data describing an image-based model of at least part of a human body comprising the anatomical structure; b) acquiring (S1) patient medical image data describing a patient-specific medical image of the anatomical structure in the patient's body, wherein the patient medical image data comprises in particular three-dimensional image information c) determining (S2), based on the atlas data and the patient medical image data, atlas- patient transformation data describing a transformation between the image-based model and the anatomical structure in the patient's body; d) acquiring (S3, S4) medical indication data describing a medical indication which the anatomical structure is subject to; e) acquiring (S7) imaging parameter data describing at least one imaging parameter for generating, from the image-based model, an image of the anatomical structure in dependence on the medical indication data: f) determining (S8) indication image data describing an indication-specific image (1) of the anatomical structure in the patient, wherein the indication image data is determined (S8) based on the patient medical image data and the atlas-patient transformation data and the medical indication data and the imaging parameter data.

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